PALM INTRANET

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Inventor Name	City	State/Country
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| Appln Info | Contents | Petition Info | Atty/Agent Info | Continuity Data | Foreign Data | Inver

Search Another: Application# [_____] Search **or Patent#** [_____] Search

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Attorney Docket # [_____] Search

Bar Code # [_____] Search

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=> d his ful

     (FILE 'HOME' ENTERED AT 15:58:42 ON 06 APR 2006)

     FILE 'REGISTRY' ENTERED AT 15:58:56 ON 06 APR 2006
L1                STRUCTURE UPLOADED
L2                STRUCTURE UPLOADED
L3          50 SEA SSS SAM L2
L4       25288 SEA SSS FUL L2
L5         418 SEA SUB=L4 SSS FUL L1
L6                STRUCTURE UPLOADED
L7          26 SEA SUB=L5 SSS FUL L6
L8                STRUCTURE UPLOADED
L9           1 SEA SUB=L7 SSS FUL L8
                D L9
L10          1 SEA SSS FUL L8
L11          0 SEA FAM FUL L8
L12               STRUCTURE UPLOADED
L13          0 SEA SUB=L4 SSS FUL L12
L14               STRUCTURE UPLOADED
L15         11 SEA SUB=L4 SSS FUL L14
L16         10 SEA PLU=ON   L15 NOT L7
                D L16 1-10


     FILE 'HCAPLUS, USPATFULL, USPAT2, TOXCENTER' ENTERED AT 16:17:35 ON 06
     APR 2006
L17         10 SEA PLU=ON   L16
L18          3 SEA PLU=ON   L10
L19         57 SEA PLU=ON   L7
L20          0 SEA PLU=ON   L17 AND L18
L21         10 DUP REM L17 (0 DUPLICATES REMOVED)
                   ANSWERS '1-5' FROM FILE HCAPLUS
                   ANSWERS '6-10' FROM FILE USPATFULL
L22          2 DUP REM L18 (1 DUPLICATE REMOVED)
                   ANSWER '1' FROM FILE HCAPLUS
                   ANSWER '2' FROM FILE USPATFULL
L23         37 DUP REM L19 (20 DUPLICATES REMOVED)
                   ANSWERS '1-32' FROM FILE HCAPLUS
                   ANSWERS '33-36' FROM FILE USPATFULL
                   ANSWER '37' FROM FILE TOXCENTER
L24         47 SEA PLU=ON   L21 OR L23
                D L21 1-10 IBIB HITSTR
                D L22 1-2 IBIB HITSTR


     FILE 'MARPAT' ENTERED AT 16:21:46 ON 06 APR 2006
L25          1 SEA SSS SAM L8
L26         48 SEA SSS FUL L8
L27          0 SEA PLU=ON   L26 AND (PD<20030313 OR PRD<20030331)
                D L26 1-48 IBIB


     FILE 'REGISTRY' ENTERED AT 16:28:35 ON 06 APR 2006
L28               STRUCTURE UPLOADED
L29        · 0 SEA SSS FUL L28
L30          1 SEA PLU=ON   99333-54-7/RN          ·
                D L30
                E 4-PIPERAZINEACETIC ACID/CN
                E 4-PIPERAZINE ACETIC ACID/CN
                E 4-PIPERAZINEACETIC ACID/CN
L31          1 SEA PLU=ON   "4-PIPERAZINEACETIC ACID, 1-((2-(METHYLTHIO)-4-((4-
                (4-MORPHOLINYL)PHENYL)AMINO)-5-PYRIMIDINYL)CARBONYL)-"/CN
                D L31
```

```
                    D QUE STA L17
                    D QUE STA L18
                    D QUE L29
L32                 STRUCTURE UPLOADED
                    D
L33       107 SEA SUB=L4 SSS FUL L32
L34                 STRUCTURE UPLOADED
L35         0 SEA SUB=L33 SSS FUL L34
L36        11 SEA SUB=L4 SSS FUL L34
L37         0 SEA SUB=L36 SSS FUL L32
```

FILE 'HCAPLUS, USPATFULL, USPAT2, TOXCENTER' ENTERED AT 16:46:07 ON 06 APR 2006

```
L38        13 SEA PLU=ON  L36
L39        12 DUP REM L38 (1 DUPLICATE REMOVED)
                    ANSWERS '1-6' FROM FILE HCAPLUS
                    ANSWERS '7-12' FROM FILE USPATFULL
L40         8 SEA PLU=ON  L39 AND (PD<20030313 OR PRD<20030331)
                    D L40 1-8 IBIB HITSTR
                    D QUE STA
```

FILE HOME

FILE REGISTRY
Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 4 APR 2006   HIGHEST RN 879269-14-4
DICTIONARY FILE UPDATES: 4 APR 2006   HIGHEST RN 879269-14-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

    Please note that search-term pricing does apply when
    conducting SmartSELECT searches.

```
***********************************************************************
*                                                                     *
* The CA roles and document type information have been removed from   *
* the IDE default display format and the ED field has been added,     *
* effective March 20, 2005.  A new display format, IDERL, is now      *
* available and contains the CA role and document type information.   *
*                                                                     *
***********************************************************************
```

Structure search iteration limits have been increased. See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

FILE HCAPLUS
FILE COVERS 1907 - 6 Apr 2006   VOL 144 ISS 15
FILE LAST UPDATED: 5 Apr 2006   (20060405/ED)

FILE USPATFULL
FILE COVERS 1971 TO PATENT PUBLICATION DATE: 6 Apr 2006 (20060406/PD)
FILE LAST UPDATED: 6 Apr 2006 (20060406/ED)
CA INDEXING IS CURRENT THROUGH 6 Apr 2006 (20060406/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 6 Apr 2006 (20060406/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2006

FILE USPAT2
FILE COVERS 2001 TO PUBLICATION DATE: 6 Apr 2006 (20060406/PD)
FILE LAST UPDATED: 6 Apr 2006 (20060406/ED)
CA INDEXING IS CURRENT THROUGH 4 Apr 2006 (20060404/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 6 Apr 2006 (20060406/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2006

FILE TOXCENTER
FILE COVERS 1907 TO 4 Apr 2006 (20060404/ED)

FILE MARPAT
FILE CONTENT: 1961-PRESENT VOL 144 ISS 14 (20060331/ED)

SOME MARPAT RECORDS ARE DERIVED FROM INPI DATA FOR 1961-1987

MOST RECENT CITATIONS FOR PATENTS FROM MAJOR ISSUING AGENCIES
(COVERAGE TO THESE DATES IS NOT COMPLETE):

US   2006035965 16 FEB 2006
DE 102004039876 26 JAN 2006
EP   1621541 01 FEB 2006
JP   2006045074 16 FEB 2006
WO   2006012333 02 FEB 2006
GB   2416167 18 JAN 2006
FR   2874013 10 FEB 2006
RU   2267521 10 JAN 2006
CA   2512063 14 JAN 2006

Expanded G-group definition display now available.

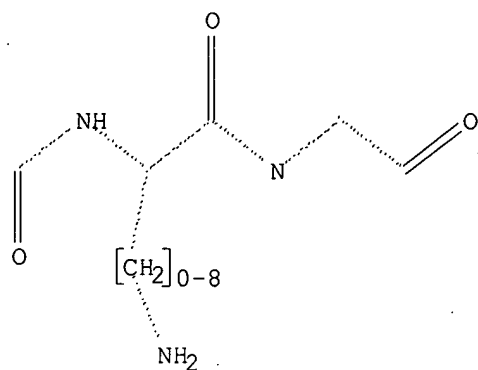New CAS Information Use Policies, enter HELP USAGETERMS for details.

=> d que sta 117; d que sta 118;d que 129
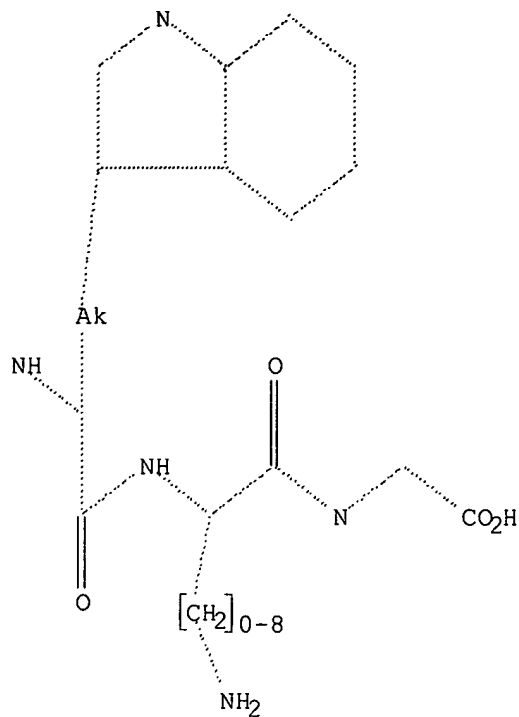L1   STR

N

Ak

NH

O   O

NH   N

O   [CH₂]$_{0-8}$

NH₂
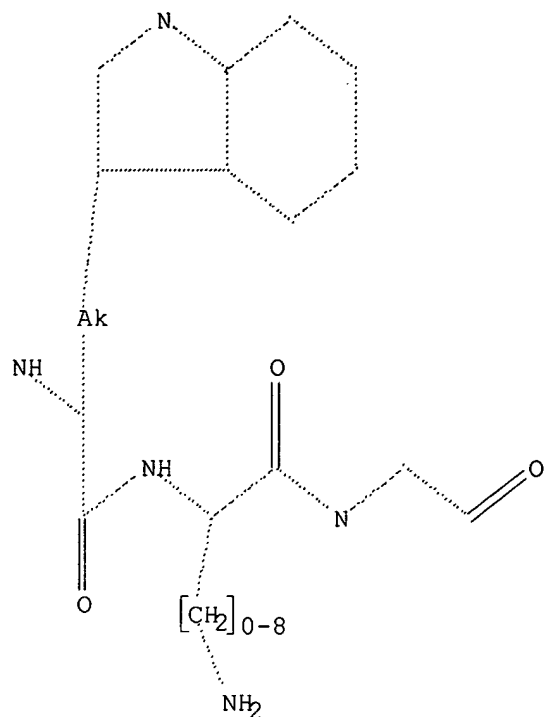
Structure attributes must be viewed using STN Express query preparation.
L2   STR

O

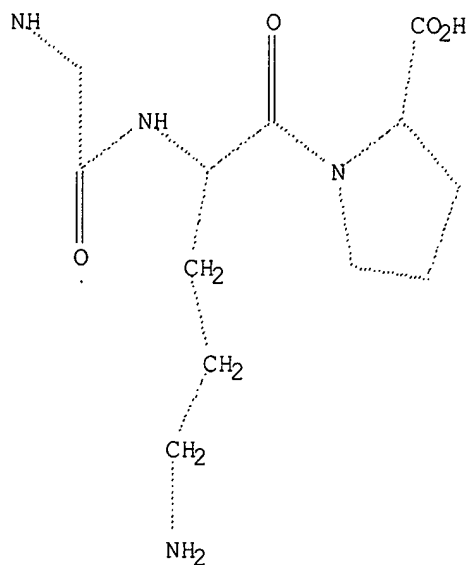NH   O

N

O   [CH₂]$_{0-8}$

NH₂

Structure attributes must be viewed using STN Express query preparation.
L4   25288 SEA FILE=REGISTRY SSS FUL L2
L5   418 SEA FILE=REGISTRY SUB=L4 SSS FUL L1
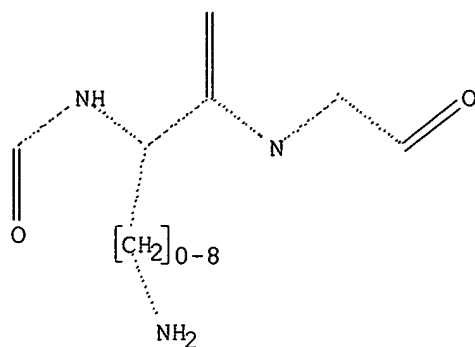L6   STR

Structure attributes must be viewed using STN Express query preparation.
L7   26 SEA FILE=REGISTRY SUB=L5 SSS FUL L6
L14   STR

Structure attributes must be viewed using STN Express query preparation.
L15   11 SEA FILE=REGISTRY SUB=L4 SSS FUL L14
L16   10 SEA FILE=REGISTRY PLU=ON L15 NOT L7
L17   10 SEA L16

L8   STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.
L10   1 SEA FILE=REGISTRY SSS FUL L8
L18   3 SEA L10

L28   STR
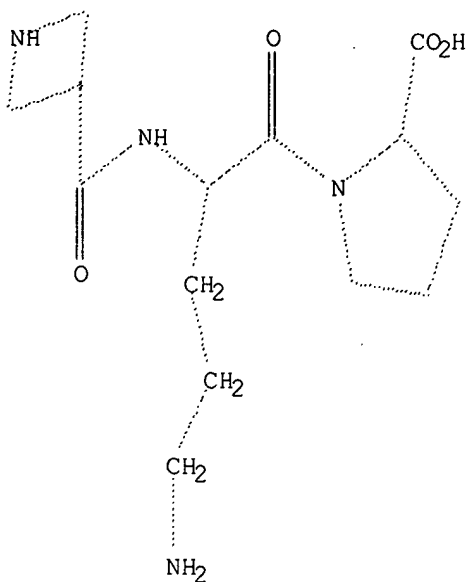
Structure attributes must be viewed using STN Express query preparation.
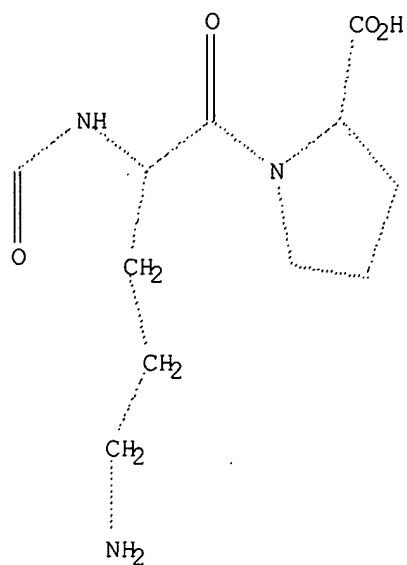L29   0 SEA FILE=REGISTRY SSS FUL L28

=> d que sta
L2   STR

Structure attributes must be viewed using STN Express query preparation.
L4   25288 SEA FILE=REGISTRY SSS FUL L2
L34   STR

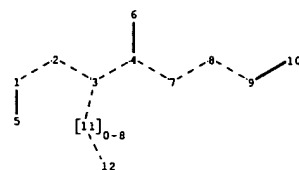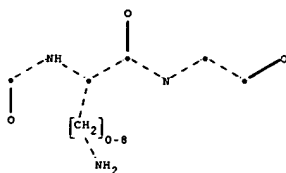Structure attributes must be viewed using STN Express query preparation.
L36   11 SEA FILE=REGISTRY SUB=L4 SSS FUL L34
L38   13 SEA L36
L39   12 DUP REM L38 (1 DUPLICATE REMOVED)
L40   8 SEA L39 AND (PD<20030313 OR PRD<20030331)

```
chain nodes :
    1   2   3   4   5   6   9   10   11   12
ring nodes :
    7   8
chain bonds :
    1-5   1-2   2-3   3-4   3-11   4-6   4-7   8-9   9-10   11-12
ring bonds :
    7-8
exact/norm bonds :
    1-5   1-2   2-3   3-4   3-11   4-6   4-7   7-8   8-9   9-10   11-12


Match level :
    1:CLASS   2:CLASS   3:CLASS   4:CLASS   5:CLASS   6:CLASS   7:CLASS   8:CLASS
    9:CLASS   10:CLASS   11:CLASS   12:CLASS
```
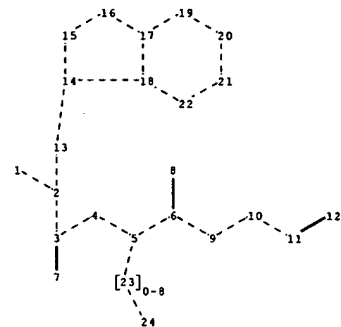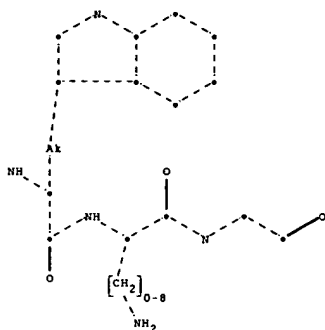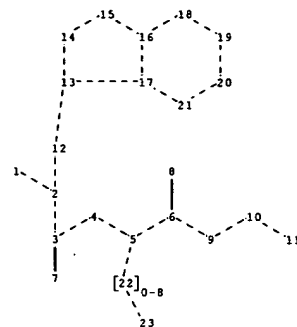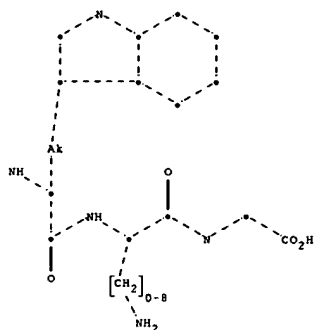
chain nodes :
    1   2   3   4   5   6   7   8   11   12   13   23   24
ring nodes :
    9   10   14   15   16   17   18   19   20   21   22
chain bonds :
    1-2   2-3   2-13   3-4   3-7   4-5   5-6   5-23   6-8   6-9   10-11   11-12   13-14
    23-24
ring bonds :
    9-10   14-15   14-18   15-16   16-17   17-18   17-19   18-22   19-20   20-21   21-22
exact/norm bonds :
    1-2   2-3   2-13   3-4   3-7   4-5   5-6   5-23   6-8   6-9   9-10   10-11   11-12
    13-14   14-15   14-18   15-16   16-17   17-18   17-19   18-22   19-20   20-21   21-22
    23-24
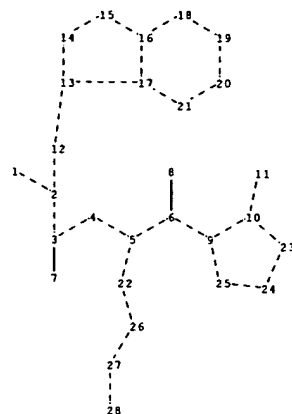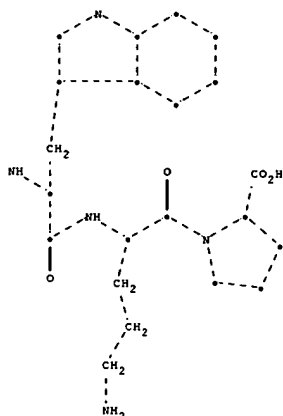

Match level :
    1:CLASS   2:CLASS   3:CLASS   4:CLASS   5:CLASS   6:CLASS   7:CLASS   8:CLASS
    9:CLASS   10:CLASS   11:CLASS   12:CLASS   13:CLASS   14:Atom   15:Atom   16:Atom
    17:Atom   18:Atom   19:Atom   20:Atom   21:Atom   22:Atom   23:CLASS   24:CLASS
Generic attributes :
    13:
    Type of chain   : Linear
    Saturation   : Saturated

chain nodes :
    1   2   3   4   5   6   7   8   11   12   22   23
ring nodes :
    9   10   13   14   15   16   17   18   19   20   21
chain bonds :
    1-2   2-3   2-12   3-4   3-7   4-5   5-6   5-22   6-8   6-9   10-11   12-13   22-23
ring bonds :
    9-10   13-14   13-17   14-15   15-16   16-17   16-18   17-21   18-19   19-20   20-21
exact/norm bonds :
    1-2   2-3   2-12   3-4   3-7   4-5   5-6   5-22   6-8   6-9   9-10   10-11   12-13
    13-14   13-17   14-15   15-16   16-17   16-18   17-21   18-19   19-20   20-21   22-23

Match level :
    1:CLASS   2:CLASS   3:CLASS   4:CLASS   5:CLASS   6:CLASS   7:CLASS   8:CLASS
    9:CLASS   10:CLASS   11:CLASS   12:CLASS   13:Atom   14:Atom   15:Atom   16:Atom
    17:Atom   18:Atom   19:Atom   20:Atom   21:Atom   22:CLASS   23:CLASS
Generic attributes :
    12:
    Type of chain   : Linear
    Saturation   : Saturated

chain nodes :
```
    1    2    3    4    5    6    7    8    11    12    22    26    27    28
```
ring nodes :
```
    9    10    13    14    15    16    17    18    19    20    21    23    24    25
```
chain bonds :
```
    1-2    2-3    2-12    3-4    3-7    4-5    5-6    5-22    6-8    6-9    10-11    12-13    22-26
    26-27    27-28
```
ring bonds :
```
    9-10    9-25    10-23    13-14    13-17    14-15    15-16    16-17    16-18    17-21    18-19
    19-20    20-21    23-24    24-25
```
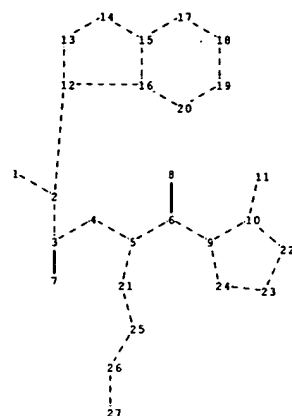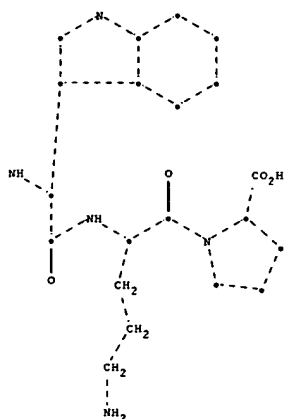exact/norm bonds :
```
    1-2    2-3    2-12    3-4    3-7    4-5    5-6    5-22    6-8    6-9    9-10    9-25    10-11
    10-23    12-13    13-14    13-17    14-15    15-16    16-17    16-18    17-21    18-19    19-20
    20-21    22-26    23-24    24-25    26-27    27-28
```

Match level :
```
    1:CLASS    2:CLASS    3:CLASS    4:CLASS    5:CLASS    6:CLASS    7:CLASS    8:CLASS
    9:CLASS    10:CLASS    11:CLASS    12:CLASS    13:Atom    14:Atom    15:Atom    16:Atom
    17:Atom    18:Atom    19:Atom    20:Atom    21:Atom    22:CLASS    23:CLASS    24:Atom
    25:Atom    26:CLASS    27:CLASS    28:CLASS
```

chain nodes :
    1   2   3   4   5   6   7   8   11   21   25   26   27
ring nodes :
    9   10   12   13   14   15   16   17   18   19   20   22   23   24
chain bonds :
    1-2   2-3   2-12   3-4   3-7   4-5   5-6   5-21   6-8   6-9   10-11   21-25   25-26
    26-27
ring bonds :
   9-10   9-24   10-22   12-13   12-16   13-14   14-15   15-16   15-17   16-20   17-18
    18-19   19-20   22-23   23-24
exact/norm bonds :
    1-2   2-3   2-12   3-4   3-7   4-5   5-6   5-21   6-8   6-9   9-10   9-24   10-11
    10-22   12-13   12-16   13-14   14-15   15-16   15-17   16-20   17-18   18-19   19-20
    21-25   22-23   23-24   25-26   26-27

Match level :
    1:CLASS   2:CLASS   3:CLASS   4:CLASS   5:CLASS   6:CLASS   7:CLASS   8:CLASS
    9:CLASS   10:CLASS   11:CLASS   12:Atom   13:Atom   14:Atom   15:Atom   16:Atom
    17:Atom   18:Atom   19:Atom   20:Atom   21:CLASS   22:CLASS   23:Atom   24:Atom
    25:CLASS   26:CLASS   27:CLASS
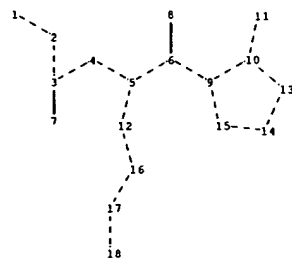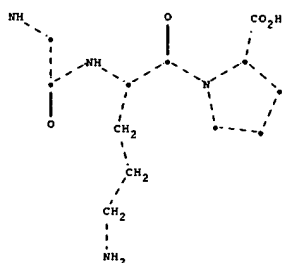
chain nodes :
    1   2   3   4   5   6   7   8   11   12   16   17   18
ring nodes :
    9   10   13   14   15
chain bonds :
    1-2   2-3   3-4   3-7   4-5   5-6   5-12   6-8   6-9   10-11   12-16   16-17   17-18
ring bonds :
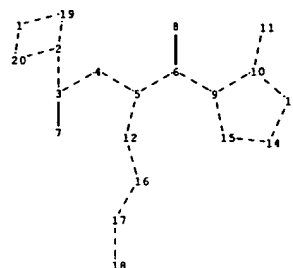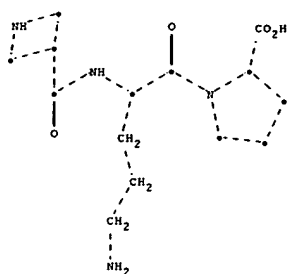   9-10   9-15   10-13   13-14   14-15
exact/norm bonds :
    1-2   2-3   3-4   3-7   4-5   5-6   5-12   6-8   6-9   9-10   9-15   10-11   10-13
    12-16   13-14   14-15   16-17   17-18

Match level :
    1:CLASS   2:CLASS   3:CLASS   4:CLASS   5:CLASS   6:CLASS   7:CLASS   8:CLASS
    9:CLASS   10:CLASS   11:CLASS   12:CLASS   13:CLASS   14:Atom   15:Atom   16:CLASS
    17:CLASS   18:CLASS

chain nodes :
    3   4   5   6   7   8   11   12   16   17   18
ring nodes :
    1   2   9   10   13   14   15   19   20
chain bonds :
    2-3   3-4   3-7   4-5   5-6   5-12   6-8   6-9   10-11   12-16   16-17   17-18
ring bonds :
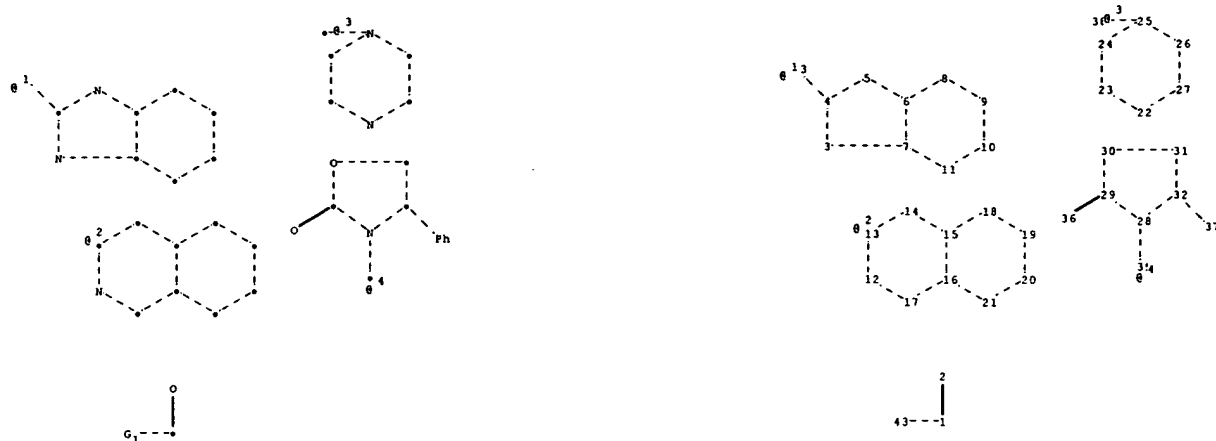   1-19   1-20   2-19   2-20   9-10   9-15   10-13   13-14   14-15
exact/norm bonds :
    1-19   1-20   2-3   2-19   2-20   3-4   3-7   4-5   5-6   5-12   6-8   6-9   9-10   9-15
    10-11   10-13   12-16   13-14   14-15   16-17   17-18

Match level :
    1:CLASS   2:CLASS   3:CLASS   4:CLASS   5:CLASS   6:CLASS   7:CLASS   8:CLASS
    9:CLASS   10:CLASS   11:CLASS   12:CLASS   13:CLASS   14:Atom   15:Atom   16:CLASS
    17:CLASS   18:CLASS   19:Atom   20:Atom

```
chain nodes :
    1   2   33   36   37   38   39   43
ring nodes :
    3    4    5    6    7    8    9    10   11   12   13   14   15   16   17   18   19   20   21   22   23
    24   25   26   27   28   29   30   31   32
chain bonds :
    1-2   1-43   4-33   25-38   28-39   29-36   32-37
ring bonds :
    3-4    3-7    4-5    5-6    6-7    6-8    7-11   8-9    9-10   10-11   12-13   12-17   13-14
    14-15   15-16   15-18   16-17   16-21   18-19   19-20   20-21   22-23   22-27   23-24
    24-25   25-26   26-27   28-29   28-32   29-30   30-31   31-32
exact/norm bonds :
    1-2   1-43   3-4   3-7   4-5   4-33   5-6   6-7   6-8   7-11   8-9   9-10   10-11
    12-13   12-17   13-14   14-15   15-16   15-18   16-17   16-21   18-19   19-20   20-21
    22-23   22-27   23-24   24-25   25-26   25-38   26-27   28-29   28-32   28-39   29-30
    29-36   30-31   31-32   32-37
```
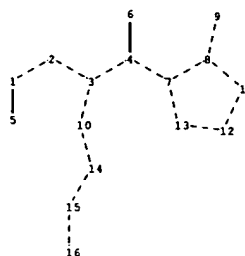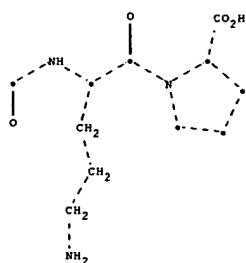
G1:[*1],[*2],[*3],[*4]

```
Match level :
    1:CLASS    2:CLASS    3:Atom    4:Atom    5:Atom    6:Atom    7:Atom    8:Atom    9:Atom
    10:Atom    11:Atom    12:Atom    13:Atom    14:Atom    15:Atom    16:Atom    17:Atom
    18:Atom    19:Atom    20:Atom    21:Atom    22:Atom    23:Atom    24:Atom    25:Atom
    26:Atom    27:Atom    28:Atom    29:Atom    30:Atom    31:Atom    32:Atom    33:CLASS
    36:CLASS    37:CLASS    38:CLASS    39:CLASS    43:CLASS
```

chain nodes :
    1   2   3   4   5   6   9   10   14   15   16
ring nodes :
    7   8   11   12   13
chain bonds :
    1-5   1-2   2-3   3-4   3-10   4-6   4-7   8-9   10-14   14-15   15-16
ring bonds :
    7-8   7-13   8-11   11-12   12-13
exact/norm bonds :
    1-5   1-2   2-3   3-4   3-10   4-6   4-7   7-8   7-13   8-9   8-11   10-14   11-12
    12-13   14-15   15-16

Match level :
    1:CLASS   2:CLASS   3:CLASS   4:CLASS   5:CLASS   6:CLASS   7:CLASS   8:CLASS
    9:CLASS   10:CLASS   11:CLASS   12:Atom   13:Atom   14:CLASS   15:CLASS   16:CLASS

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3352	ornithine same proline	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/04/06 16:57
L2	105	ornith$ adj prol$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/04/06 16:58
L3	54	trypt$ same l2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/04/06 16:58
S1	55	"orn pro"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/04/06 15:48
S2	0	"trp orn pro"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/04/06 15:49
S3	94	"wkp"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/04/06 15:49
S4	15	S3 and peptide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/04/06 16:57